**Earth Science Weather! (Chapter 24 Outline)**

***AS YOU READ, RESPOND TO THE FOLLOWING:***

*Vocabulary*: **Define in your own words**

Air mass-

Cold Front-

Warm Front-

Stationary Front-

Occluded Front-

Barometer-

Anemometer-

Radiosonde-

Radar-

Station Model

*Respond to the following:*

Describe the four main types of air masses in detail. (4 pts)

Explain how air masses affect the weather of North America. (2 pts)

Describe how midlatitude cyclones form. Be specific in your response. (2 pts)

Explain how each of the following types of severe weather form: hurricanes, thunderstorms, and tornadoes. Also, describe where these extreme weather events generally occur. (3 pts)

Describe how scientists measure conditions in the upper atmosphere. (2 pts)

Explain how weather stations communicate weather data. (2 pts)

How is a weather map created? Explain. (1 pt)

List three types of weather that meteorologists have attempted to control. (3 pts)

***ABOUT THE READING:***

Write three things that you learned about Weather*:*

***Make sure to write a full sentence.***

*Example: I learned that wind vane is an arrow-shaped instrument that can help determine wind direction.*

*1.*

*2.*

*3.*

***Assigned work****: pg. 622: #s 9-19, 26, 29*